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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

TRAN, MYLINH T

ART UNIT PAPER NUMBER

2179

DATE MAILED: 10/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/943,939

Applicant(s)

BOULEAU, CEDRIC K. R. H.

Examiner

Mylinh Tran

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 July 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3,6-9,11-15,18-21,24-36 and 39 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1, 3, 6-9, 11-15, 18-21, 24-36 and 39 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

This communication is responsive to amendment, filed 07/31/06. Claims 1, 3, 6-9, 11-15, 18-21, 24-36 and 39 are pending in this application. Claims 1, 18, 27, 33, and 39 are independent claims. In this amendment, claims 16-17 are canceled, claims 1, 18, 27, 33 and 39 are amended, and no claim is added.

This action is final.

Claim Objections

Claims 18, 27, 33 and 39 are objected to because of the following informalities:

There is a typo error in the phrase "wherein out of control is displayed in the panel".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 3, 6-9, 11-15, 18-21, 24-36 and 39 are rejected under 35

U.S.C. 102(e) as being anticipated by Carroll [US. 2002/0085020].

As per independent claims 1, 18, 27 and 33, Carroll teaches a computer implemented method and corresponding system for providing a dynamically modifiable user interface comprising the steps/means:

a memory configured to store a UI view definition for the user interface (page 1, 0017-0021); and
a processor configured to execute a UI view manager (page 3, 0054-0055, Web browser is considered as the first application), wherein the UI view manager comprising functionality to dynamically generate at run-time the user interface from the UI view definition (page 5, (0167) and page 7, (2 121), wherein the UI view manager instantiates, as part of the user interface, a panel comprising a wrapped control (page 3, (0059) and page 5, (0189)), (page 7, (0212) and page 9, (0243)).

Carroll also teaches the wrapped control comprising a control (page 1, 0061, Java application is considered as the second application) and a wrapper (page 7, (0214) and page 3, (0059); wherein the wrapper provides an interface between the control and the UI view manager (page 12, (0256) –page 13, (0263); wherein the UI view manager is configured to send a message to the control, the control is configured to receive the message (page 8, (0220) and page 10, (0247)); wherein the control is an application and wherein output of the control is displayed in the panel (Java application and browser are two currently executing applications).

As per claim 3, which is dependent on claim 1, Carroll teaches the user interface comprising a plurality of controls, the wrapped control being one of the controls (e.g. fig. 19).

As per claims 6, 20, 29 and 35, Carroll teaches the UI view manager being operable to dynamically change at a run-time a function of the wrapped control (page 9, (0244)).

As per claim 7, which is dependent on claim 1, it is inherent in Carroll's system to comprise a UI container, wherein the user interface is provided within an environment provided by the UI container.

As per claim 8, which is dependent on claim 1, Carroll teaches the UI view manager provides the wrapped control as part of the user interface by including a user interface element of the wrapped control in the user interface (page 7, (0210)).

As per claim 9, which is dependent on claim 1, Carroll teaches the UI view manager instantiates the wrapped control as part of the user interface by: providing functionality of the wrapped control to be performed in response to activating a user interface element of the wrapped control in the user interface (page 7, (0210) and page 12, (0256) - page 13, (0263)).

As per claim 11, which is dependent on claim 1, Carroll teaches the UI view manager containing an implementation of a UI view interface and the wrapped

control invokes function of the UI view interface implementation of the UI view interface to communicate with the UI view manager (page 7, (0210) and page 12, (0256) - page 13, (0263)).

As per claim 12, which is dependent on claim 1, Carroll teaches the UI view manager being operable to dynamically generate the user interface in response to a change to the UI view definition (page 14, (0268)).

As per claim 13, which is dependent on claim 1, Carroll teaches:
a user interface designer for providing a UI view definition (page 8, (0236)).

As per claim 14, which is dependent on claim 1, Carroll teaches the UI view definition corresponding to an XML file (fig. 17).

As per claim 15, which is dependent on claim 1, Carroll teaches the UI view definition comprising a control definition for the wrapped control, wherein the control definition specifies a user interface element of the wrapped control and a program identifier of code to provide functionality of the wrapped control (page 9, (0243) and (0244)).

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As per claims 19, 28 and 34, Carroll teaches the UI view manager being operable to dynamically add a new wrapped control to the user interface (page 7, (0212) and page 9, (0243)).

As per claims 21, 30 and 36, Carroll teaches the user interface including a plurality of controls (e.g. fig. 19); and it is inherent in Carroll system that the UI view manager is operable to dynamically remove an existing control of the controls from the user interface using the GUI builder application (fig. 22).

As per claim 24, which is dependent on claim 18, Carroll teaches creating a wrapper comprising implementing at least one function of a control interface (page 9, (0244)).

As per claim 25, which is dependent on claim 24, Carroll teaches the at least one function is selected from the set a first function to cause the control to read its internal data, a second function to cause the control to load a property of the control from the UI view definition, a third function to save a property of the control to the UI view definition, a fourth function to return a license key for the control, a fifth function to initialize a property of the control and a sixth function to receive a notification about a user interface event (fig. 13; pages 7 and 8, (0214)).

As per claim 26, which is dependent on claim 18, Carroll teaches:

generating a UI view manager by implementing at least one function of an UI view interface the function selected from the set a first function returning a table of references to business objects, a second function retringing a parameter to provide scope of access to a control of the user interface, a third function to register a control for providing alarm information to the control, a fourth function to deregister a control to terminate providing alarm information to the control, a fifth function to create a panel for housing controls, a sixth function to create a panel for adding a control to a panel (page 13, (0264)), a seventh function to remove the panel forma the user interface, an eight function to remove a control from a panel, a ninth function to activate or deactivate a control, a tenth function to display a text message of a control on a status message panel (page 6, 0203-0209).

As per claims 31 and 32, Carroll teaches:

sending a message to and receiving a message from the wrapped control via a control interface associated with the wrapper (page 8, (0220) and page 10, (0247).

As per independent claim 39, it is a combination of claims 1 and 12; therefore, it is rejected as set for in the rejection of claims I and 12, combined.

Response to Arguments

Applicant argues Carroll does not teach or suggest “two concurrently executing applications”. However, Carroll teaches browser application (considered as the first application UI view manager) for generating and managing the User Interface. Applicant’s attention is directed to the cited passage “an applications graphical user interface is specified using an SML document as an application interface file. At application compile time this application interface file is parsed, and specifications therein used to retrieve graphical screen components form an interface library to create the user interface”. The second application Control is the Java application which generates outputs for the UI to display. The browser application and Java application send and receive messages (outputs) where the Browser receives the outputs from the Java application.. Applicant’s attention is directed to the cited passage “A type of Java application that runs within a web browser”.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the

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shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4141.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo, can be reached at 571-272-4847.

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

571-273-8300

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mylinh Tran


WEILUN LO
SUPERVISORY PATENT EXAMINER